# Dynamic Font Scaling

Play+ provides a comprehensive system for dynamic font scaling that ensures optimal readability across all device sizes. This system combines responsive typography with fluid scaling techniques to create a seamless reading experience.

## Overview

The dynamic font scaling system includes:

- Responsive font sizes that adapt to screen size
- Fluid typography using CSS custom properties
- Consistent line heights for optimal readability
- Accessible font scaling that respects user preferences
- Performance-optimized calculations

## CSS Custom Properties for Typography

## Root Typography Variables

## Responsive Typography Classes

## Heading Classes

## Body Text Classes

## Fluid Typography Implementation

## Using CSS clamp()

## Responsive Font Size Mixins

## Responsive Typography Utilities

## Font Size Utilities

## Line Height Utilities

# Accessibility Considerations

# Respecting User Preferences

# Minimum Readable Sizes

# Implementation Examples

# Hero Section with Fluid Typography

# Article Typography

# Performance Optimization

# CSS Custom Properties for Performance

# Font Loading Optimization

# Best Practices

# 1. Typography Scale

- Use a consistent scale (1.25 or 1.5 ratio)
- Ensure sufficient contrast between heading levels
- Maintain readable line lengths (45-75 characters)

# 2. Responsive Design

- Start with mobile-first approach
- Test typography across all breakpoints
- Ensure minimum readable sizes

# 3. Performance

- Use system fonts as fallbacks
- Optimize font loading with font-display: swap
- Minimize font file sizes

# 4. Accessibility

- Respect user's font size preferences
- Maintain sufficient color contrast
- Provide adequate line spacing

# 5. Maintenance

- Use CSS custom properties for consistency
- Document typography decisions
- Create reusable typography classes

This dynamic font scaling system ensures optimal readability and visual hierarchy across all devices while maintaining performance and accessibility standards.